

Application/Control Number: 09/290,251

Page 2

Art Unit: ***

claims pto

L.Ellis

4/25/06

Art Unit: ***

--1. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying permission on a signal of digitized video data and/or a signal of digitized audio data or embedding the information therein, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying permission superimposed on or embedded in the video data and/or audio data;

a determining unit which determines whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium; and

a stopping unit which stops reproduction in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the determining by said determining unit indicating that the medium is a medium dedicated to reproduction.

Art Unit: ***

2. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

a determining unit which determines whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

an error correcting unit which conducts error correction according to an added correction code; and

a destroying unit which destroys reproduced data so as to make the video data and/or audio data non-reproducible in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the determining by said determining unit indicating that the medium is a medium dedicated to reproduction.

3. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data

Art Unit: ***

2. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

a determining unit which determines whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

an error correcting unit which conducts error correction according to an added correction code; and

a destroying unit which destroys reproduced data so as to make the video data and/or audio data non-reproducible in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the determining by said determining unit indicating that the medium is a medium dedicated to reproduction.

3. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data

Art Unit: ***

and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

an identifying unit which identifies whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

a stopping unit which stops reproduction in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the identification by the identifying unit indicating that the medium is a medium dedicated to reproduction; and

an output unit which outputs video data and/or audio data representing a reason of stoppage.

5. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

Art Unit: ***

an identifying unit which identifies whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

an error correcting unit which conducts error correction according to an added correction code;

a destroying unit which destroys video data and/or audio data so as to make error detection of video data and/or audio data not yet subjected to error correction processing possible and make error correction thereof impossible in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the identification by the identifying unit indicating that the medium is a medium dedicated to reproduction; and

an output unit which outputs video data and/or audio data representing a reason why reproduction is not possible.

6. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

Art Unit: ***

a determining unit which determines whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

a stopping unit which stops reproduction in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction; and

an output unit which outputs a control signal, the control signal instructing a video signal and/or audio signal representing a reason of stoppage to be outputted.

7. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

a reproducing unit which reproduces the information concerning copying consent superimposed on the video data and/or audio data;

a determining unit which determines whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

Art Unit: ***

an error correcting unit which conducts error correction according to an added correction code;

a destroying unit which destroys video data and/or audio data so as to make error detection of video data and/or audio data not yet subjected to error correction processing possible and make error correction thereof impossible in response to the information reproduced by said reproducing unit indicating that copying once was permitted and a result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction; and

an output unit which outputs a control signal, the control signal instructing video data and/or audio data representing a reason why reproduction is impossible to be outputted.

8. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data and a medium identification code recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said medium identification code identifying the medium dedicated to reproduction or the recordable medium, said reproduction apparatus comprising:

Art Unit: ***

1) a permission information reproducing circuit reproducing the information concerning copying consent superimposed on the video data and/or audio data;
a medium identification code detecting circuit detecting the medium identification code; and
a reproduction stopping circuit stopping reproduction in response to the information reproduced by said permission information reproducing circuit indicating that copying once was permitted and the medium identification code indicating a medium dedicated to reproduction. --

2) 9. (Amended) A reproduction apparatus for reproducing video data and/or audio data according to claim 8, wherein said medium identification code detecting circuit and said reproduction stopping circuit are integrated into a single semiconductor device. --

3) --10. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction apparatus comprising:

→ a reproducing unit for reproducing the information concerning copying consent superimposed on the video data and/or audio data;

a detecting unit for detecting reflectance of a disk;

a determining unit for determining whether the disk is a recordable medium or a medium dedicated to reproduction on the basis of the reflectance of the disk; and

a stopping unit for stopping reproduction in response to the information reproduced by said reproducing unit indicating that copying once was permitted and said determining unit indicating that the medium is a medium dedicated to reproduction.

3

11. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data and a medium identification code recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said medium identification code identifying the medium dedicated to reproduction or the recordable medium, said reproduction apparatus comprising:

a reproducing unit for reproducing the information concerning copying consent superimposed on the video data and/or audio data;

Art Unit: ***

a medium identification code detecting unit for detecting the medium identification code;

a reflectance detecting unit for detecting reflectance of a disk;

a determining unit for determining whether the disk is a recordable medium or a medium dedicated to reproduction on the basis of the reflectance of the disk; and

a stopping unit for stopping reproduction provided that the information reproduced by said reproducing unit indicates that copying once was permitted and the medium identification code or the determining unit indicates a medium dedicated to reproduction.

3
12. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said medium dedicated to reproduction having no wobbled grooves, said recordable medium having wobbled grooves, said reproduction apparatus comprising:

a reproducing unit for reproducing the information concerning copying consent superimposed on the video data and/or audio data;

Art Unit: ***

a wobble detecting unit for detecting wobbled grooves existing on a disk; and

a stopping unit for stopping reproduction provided that the information reproduced by said reproducing unit indicates that copying once was permitted and said wobble detecting unit does not detect wobbled grooves.

13. (Three Times Amended) A reproduction apparatus for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data and a medium identification code recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said medium identification code identifying the medium dedicated to reproduction or the recordable medium, said medium dedicated to reproduction having no wobbled grooves, said recordable medium having wobbled grooves, said reproduction apparatus comprising:

a reproducing unit for reproducing the information concerning copying consent superimposed on the video data and/or audio data;

a wobble detecting unit for detecting wobbled grooves existing on a disk;

a medium identification code detecting unit for detecting the medium identification code; and

Art Unit: ***

D³

a stopping unit for stopping reproduction in response to the information reproduced by said reproducing unit indicating that copying once was permitted and that said wobble detecting unit does not detect wobbled grooves or the medium identification code indicates a medium dedicated to reproduction.

D⁴

14. (Three Times Amended) A reproduction method for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction method comprising the steps of:

reproducing the information concerning copying consent superimposed on the video data and/or audio data;

determining whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium; and

stopping reproduction in response to the information reproduced by said information reproducing step indicating that copying once was permitted and a result of said determining step indicating a medium dedicated to reproduction.

D⁵

15. (Three Times Amended) A reproduction method for reproducing video data and/or audio data from a medium

Art Unit: ***

dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a signal of digitized video data and/or a signal of digitized audio data, said reproduction method comprising the steps of:

reproducing the information concerning copying consent superimposed on the video data and/or audio data;

determining whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium;

conducting error correction according to an added correction code; and

in response to the information reproduced by said information reproducing step indicating that copying once was permitted and a result of said determining step indicating a medium dedicated to reproduction, destroying reproduced data so as to make reproduction of the video data and/or audio data impossible and simultaneously judging error correction to be impossible.

16. (Three Times Amended) A computer-readable program encoded in a memory medium, said program being executed in a computer to execute operation for reproducing video data and/or audio data from a medium dedicated to reproduction or a recordable medium having video data and/or audio data recorded thereon, said video data and/or audio data being generated by superimposing information concerning copying consent on a

Art Unit: ***

signal of digitized video data and/or a signal of digitized audio data, said operation comprising:

reproducing the information concerning copying consent superimposed on the video data and/or audio data;

5 determining whether the medium to be reproduced is a medium dedicated to reproduction or a recordable medium; and

stopping reproduction in response to information reproduced by said information reproducing step indicating that copying once was permitted and a result of said determining step indicating a medium dedicated to

reproduction.}-

--17. (New) A reproduction apparatus according to claim 1,

C¹ wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that

Art Unit: ***

copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy.

18. (New) A reproduction apparatus according to claim 2, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy reproduced data to protect information in the unauthorized copy.

19. (New) A reproduction apparatus according to claim 3, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determination by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy.

20. (New) A reproduction apparatus according to claim 4, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that

Art Unit: ***

copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy.

18. (New) A reproduction apparatus according to claim 2, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy reproduced data to protect information in the unauthorized copy.

19. (New) A reproduction apparatus according to claim 3, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determination by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy.

20. (New) A reproduction apparatus according to claim 4, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that

Art Unit: ***


copying once was permitted and the result of the identification by the identifying unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy.


21. (New) A reproduction apparatus according to claim 5, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the identification by the identifying unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy.

22. (New) A reproduction apparatus according to claim 6, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy.

23. (New) A reproduction apparatus according to claim 7, wherein the destroying unit is responsive to both the

Art Unit: ***

 information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy reproduced data to protect information in the unauthorized copy.

--24. (Amended) A reproduction apparatus according to claim 1, wherein the stopping unit is responsive to both the  information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

D⁶

25. (Amended) A reproduction apparatus according to claim 2, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized

Art Unit: ***

copy in the medium and to destroy reproduced data to protect information in the unauthorized copy from being reproduced.

26. (Amended) A reproduction apparatus according to claim 3, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determination by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy from being reproduced.

27. (Amended) A reproduction apparatus according to claim 4, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the identification by the identifying unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

28. (Amended) A reproduction apparatus according to claim 5, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the

Art Unit: ***

identification by the identifying unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy from being reproduced.

29. (Amended) A reproduction apparatus according to claim 6, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

D⁶

30. (Amended) A reproduction apparatus according to claim 7, wherein the destroying unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the result of the determining by the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy reproduced data to protect information in the unauthorized copy from being reproduced.

31. (Amended) A reproduction apparatus according to claim 8, wherein the reproduction stopping circuit is responsive to both the information reproduced by the permission information

Art Unit: ***

D⁶ reproducing circuit indicating that copying once was permitted and the medium identification code indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

D⁷ 32. (Amended) A reproduction apparatus according to claim 10, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the determining unit indicating that the medium is a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

33. (Amended) A reproduction apparatus according to claim 11, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the medium identification code or the determining unit indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

34. (Amended) A reproduction apparatus according to claim 12, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that

Art Unit: ***

copying once was permitted and the wobble detecting unit not detecting wobbled grooves to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

35. (Amended) A reproduction apparatus according to claim 13, wherein the stopping unit is responsive to both the information reproduced by the reproducing unit indicating that copying once was permitted and the wobble detecting unit not detecting wobbled grooves or the medium identification code indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

36. (Amended) A reproduction method according to claim 14, wherein the stopping step is responsive to both the information reproduced by the information reproducing step indicating that copying once was permitted and the result of the determining step indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.

37. (Amended) A reproduction method according to claim 15, wherein the destroying step is responsive to both the information reproduced by the information reproducing step

Art Unit: ***

indicating that copying once was permitted and the result of the determining step indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to destroy video data and/or audio data to protect information in the unauthorized copy from being reproduced.

37 38. (Amended) A computer-readable program according to claim 16, wherein the stopping step is responsive to both the information reproduced by the information reproducing step indicating that copying once was permitted and the result of the determining step indicating a medium dedicated to reproduction to judge presence of an unauthorized copy in the medium and to stop reproduction to protect information in the unauthorized copy from being reproduced.
